

How did I end up here?..

Or "my adventure into open source"



Toyota
Approved Used



←

Experience

+

Software Engineer
 Flox - Full-time
 Apr 2023 - Present · 1 yr 11 mos
 Remote

Skills: Nx · Cloud Infrastructure · DevOps · NoOS · Infrastructure as code (IaC)

Flox | Environments with wings

Lecturer
 Hogeschool PXL - Part-time
 Sep 2022 - Present · 2 yrs 6 mos
 Hasselt, Flemish Region, Belgium

Skills: DevOps · Internet of Things (IoT) · C (Programming Language) · Web Technologies · Teaching

Bachelor in de Elektronica-ICT

Freelance Software Engineer
 BRYAN HONOF GCV - Self-employed
 Jan 2019 - Present · 6 yrs 2 mos
 Belgium

Skills: DevOps · Real-Time Operating Systems (RTOS) · C (Programming Language) · C++ · Network Programming · Embedded Systems

Software Engineer
 Tweag - Contract
 Jun 2022 - Apr 2023 · 11 mos
 Remote

Skills: Nx · DevOps · Functional Programming · Distributed Systems · Bazel · Continuous Integration and Continuous Delivery (CI/CD)

Tweag | Software Innovation Lab

Observability Engineer
 Otty - Full-time
 Mar 2022 - Jun 2022 · 4 mos

Skills: Prometheus · Cloud Infrastructure · DevOps · Distributed Tracing

otty | Your Open Source Observability Support

Open Source Consultant
 Inuits - Full-time
 Nov 2021 - Jun 2022 · 8 mos
 Flemish Region, Belgium

Skills: DevOps · Open-Source Software · Infrastructure as code (IaC) · Terraform

Inuits · Open Source Innovators

Summer of Nix Participant
 NoOS Foundation - Full-time
 Aug 2021 - Oct 2021 · 3 mos

Skills: Nx · Functional Programming · Teamwork · Software Packaging

Declarative builds and deployments.

Eurofins Digital Testing
 10 mos
 Limburg Area, Belgium

Test Engineer
 Part-time
 Jan 2020 - Jun 2020 · 6 mos

Skills: RF Systems · Functional Testing · Standards Compliance

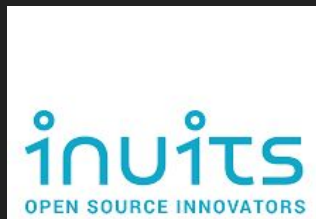
Student Intern
 Internship
 Sep 2019 - Jan 2020 · 5 mos

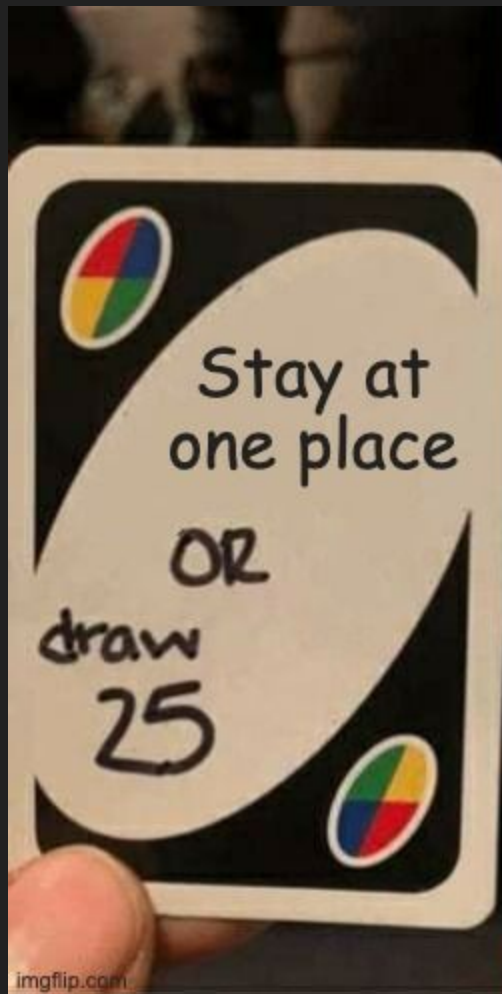
During my internship at Eurofins Digital Testing I did research on digital forensics. My research questions were:

- What tools and methods are required to conduct a forensic investigation?
- How to report a forensic investigation?
- Can we automate the process?

Skills: Security · Embedded Systems

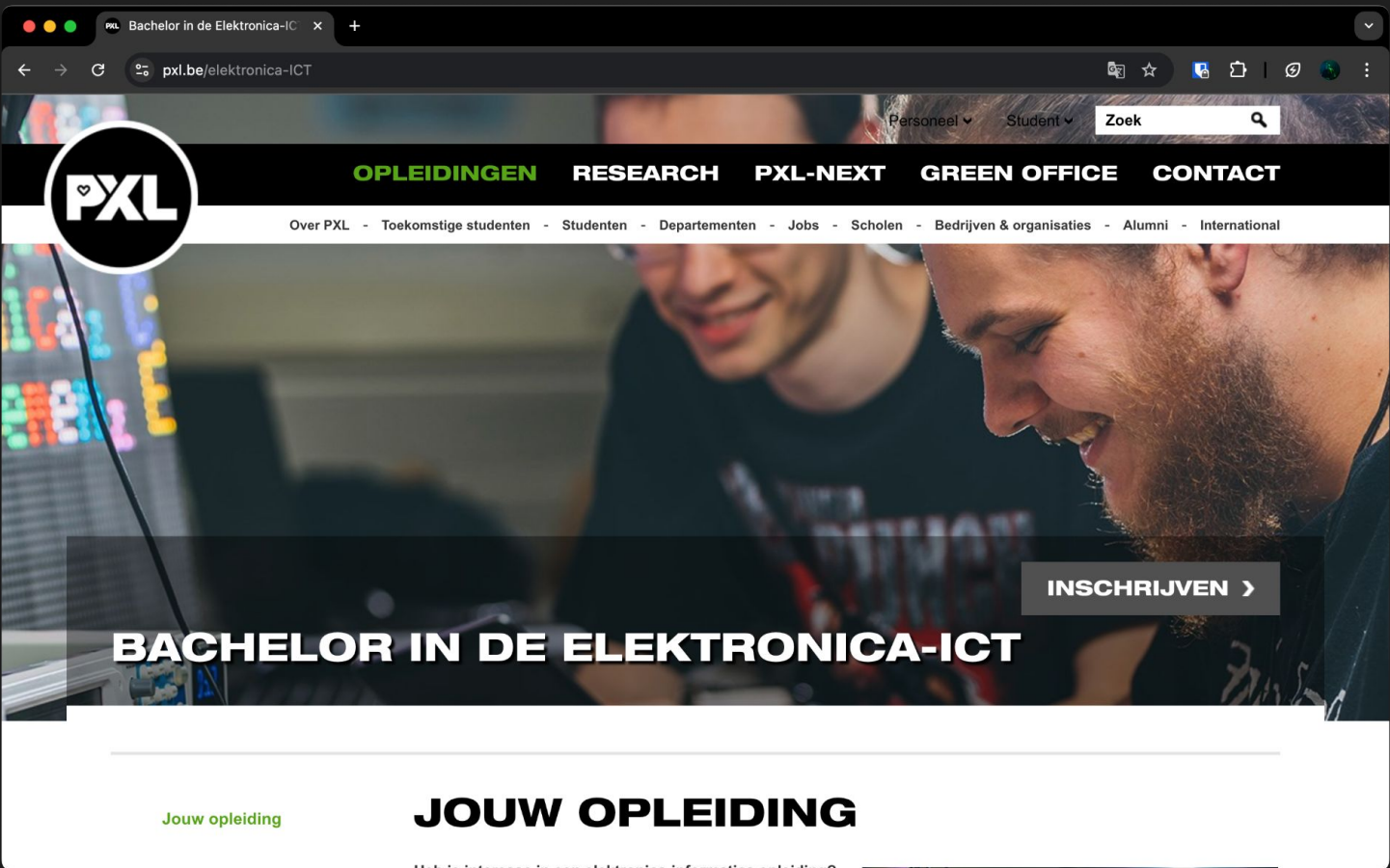
Bachelorproef Application Note





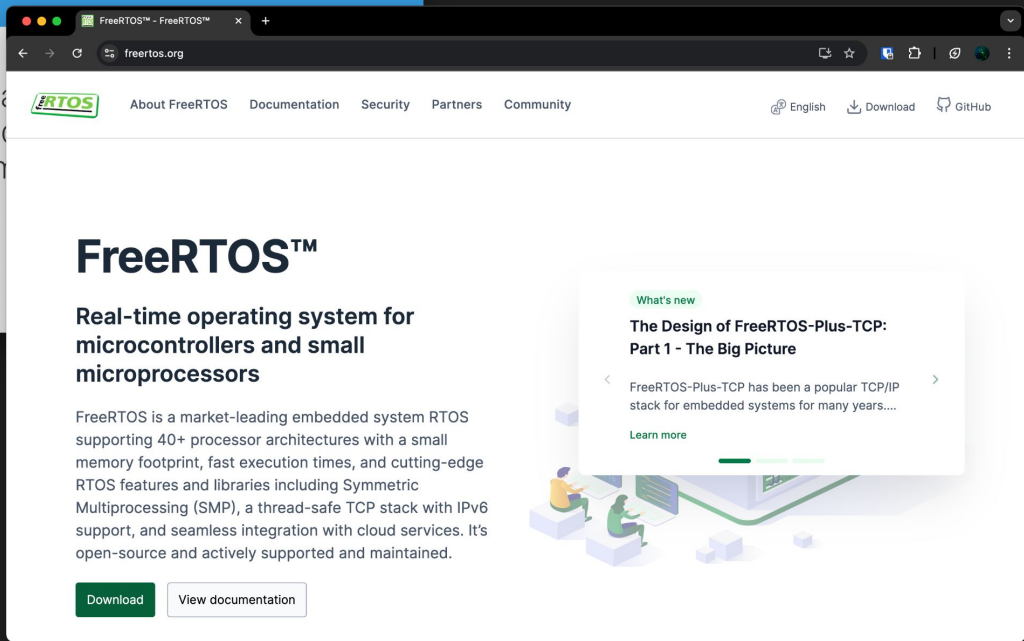
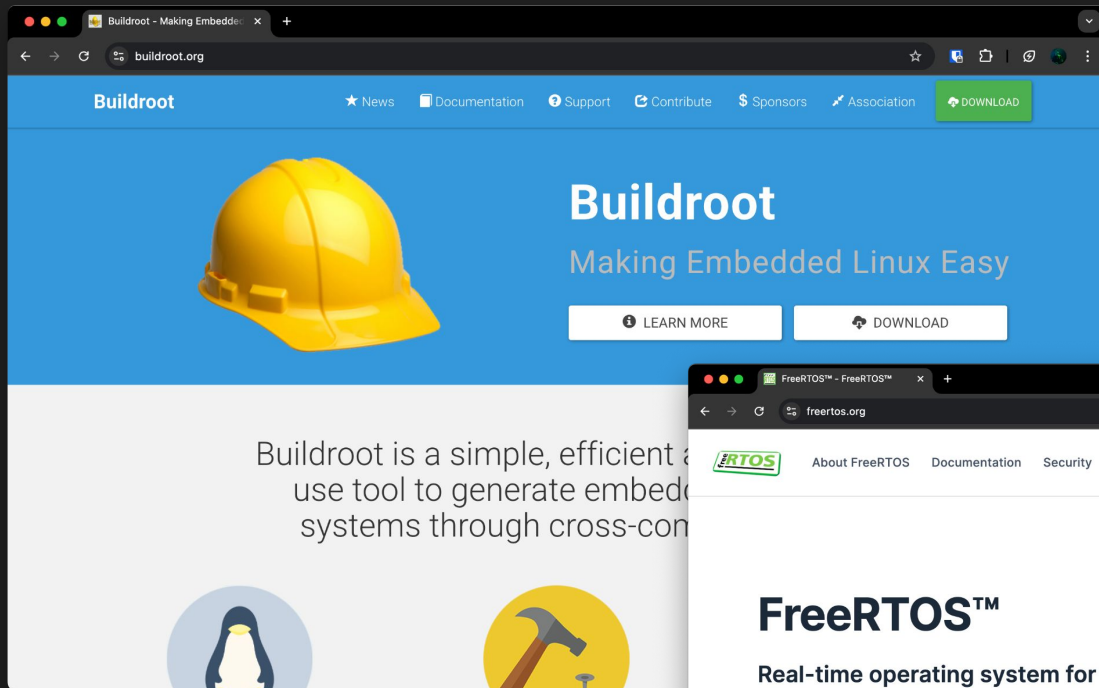
Bryan







How did you end
up there?



ngi-nix/summer-of-nix: Sum... x +

github.com/ngi-nix/summer-of-nix

README

Summer of Nix 2025

Summer of Nix is a coordinated effort to support selected free and open source software (FOSS) projects, by making them available as [Nix packages](#) or [NixOS service modules](#). It is funded by the European Commission's [Next Generation Internet \(NGI\)](#) initiative through the [NLNet Foundation](#) and the [NixOS Foundation](#).

This northern-hemisphere-summer program is a rare opportunity for students or early-career professionals with diverse technical skills and interests to practice disciplined software development with Nix while contributing to the public good and receiving some payment for it. Participation in Summer of Nix has been... for some... a pathway to attractive jobs in software development.

Learn more about Nix on [nix.dev](#). Follow [updates on Summer of Nix](#) on...

Goals

The program is designed for participants to **work, learn, and meet:**

- Improving the deployment story of [software projects funded by the](#)

Just writing the code is not enough: Programs have to be easy to use and complex software to work reliably on a whim is the aspiration for...

As a participant, you will write Nix derivations, NixOS modules, in... will solve a lot of tricky problems on the way.

- Skill-sharing among participants

Making computers useful for a mass audience requires diverse skill... has it all.

github-pages 2 weeks ago

+ 12 deployments

Languages

HTML 98.6% Other 1.4%

Nix & NixOS | Declarative builds and deployments

nixos.org

Explore Download Learn Values Community Blog Donate

NixOS 24.11 released

Announcement

Declarative builds and deployments.

Nix is a tool that takes a unique approach to package management and system configuration. Learn how to make reproducible, declarative and reliable systems.

Download Get started

```
$ # Typing "nix-shell -p ..." each time can be tedious. We can do better.
$ # We can write everything down in shell.nix
$ cat -n shell.nix
1 {
2   pkgs ? import <nixpkgs> { }, # here we import the nixpkgs packages
3 };
4 # mkShell is a helper function
5 pkgs.mkShell {
6   name = "dev-environment"; # that requires a name
7   buildInputs = [
8     # and a list of packages
9     pkgs.nodejs
10  ];
11   shellHook = ''
12     # hash to run when you enter the shell
13     echo "Start developing..."
14   '';
15 }
$ # This snippet provides a developer environment named "dev-environment"
$ # with the node command line tool available
$ # and which will print "Start developing..." on first start.
$ # To enter this developer environment, run:
$ nix-shell
```

00:00

Summer of Nix 2022 — Public

youtube.com/playlist?list=PLt4-_lkyRrOMWyp5G-m_d1wtTcbBa0xZk

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Andrew Tropin

summer of nix

Summer of Nix 2022 — Public Lecture Series

by NixOS

Playlist • 14 videos • 2,969 views

The Summer of Nix is a two-month train and work program from July 18th to September 30th — great for anyone...more

Play all

1

Summer of Nix Public Lecture Series

Eelco Dolstra

2022-07-19 17:00 CEST

1:05:10

Eelco Dolstra - The Evolution of Nix (SoN2022 - public lecture series)

NixOS • 5.3K views • Streamed 2 years ago

2

Summer of Nix Public Lecture Series

Armin Hemel

2022-07-26 17:00 CEST

33:04

Armin Hemel - The History of NixOS (SoN2022 - Public Lecture Series)

NixOS • 1.4K views • Streamed 2 years ago

3

Summer of Nix Public Lecture Series

Jon Ringer

2022-08-02 16:00 CEST

56:44

Jon Ringer - The Architecture and History of Nixpkgs (SoN2022 - public lecture series)

NixOS • 1.6K views • Streamed 2 years ago

4

Summer of Nix Public Lecture Series

Valentin Gagarin

2022-08-09 17:00 CEST

45:12

Valentin Gagarin - Flattening the Learning Curve (SoN2022 - public lecture series)

NixOS • 1.9K views • Streamed 2 years ago

5

Summer of Nix Public Lecture Series

Domen Kožar

2022-08-16 17:00 CEST

51:35

Domen Kožar - Nix Is Going Mainstream (SoN2022 - public lecture series)

NixOS • 2.6K views • Streamed 2 years ago

Thomas Bereknevi - Hydra: Nix's CI (SoN2022 - public

https://www.youtube.com/watch?v=t6goF1dM3ag&list=PLt4-_lkyRrOMWyp...





Nix is the greatest thing since sliced bread, and I dare you to prove me otherwise! No, I'm not a fanboy, it is simply the greatest thing to ever come out of the Netherlands!



Yes.

Will you stfu about Nix if I
give you a Nix track at
CfgMgmtCamp?!



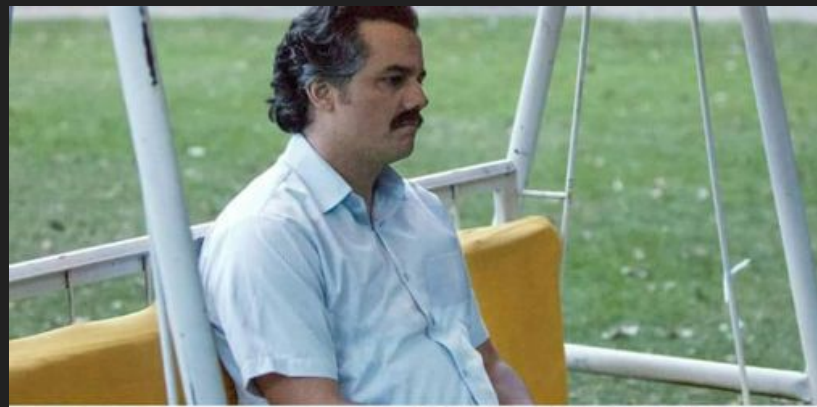
2023

2:00
PM
50min

A Gentle Introduction to Nix

Bryan Honof

Nix



2024

3:55
PM
50min

Using NixOS to generate all kinds of images

Bryan Honof

Nix

2:00

PM

50min

The environments inside your containers

Rok Garbas

Nix

2:50

PM

25min

system-manager: unleashing nix on (almost) any distro

Ramses

Nix

3:15

PM

25min

Declarative multi-host abstractions with Nix

infinisil / Silvan Mosberger

Nix

4:00

PM

25min

One Command NixOS Setup for Turing Pi Cluster Boards

Wout Swinkels

Nix

4:25

PM

25min

Nix all the things

Robert Hensing

Nix

1:00

PM

240min

Nixing on Stuff

Bryan Honof

Workshop

9:00

AM

240min

Hands-on NixOS for Beginners Workshop

Hugo Herter

Workshop

FOSDEM 2024 - Nix and NixOS

Brussels / 3 & 4 February 2024

FOSDEM 2024 / Schedule / Tracks / Developer rooms / Nix and NixOS

Nix and NixOS devroom

Read the Call for Papers at <https://lists.fosdem.org/pipermail/fosdem/2022q4/003484.html>.

Event	Speakers	Start	End
Sunday			
Circle of composition: recipes, overlays, and packages	Tam Bortolotti	09:00	09:25
Fortifying the Foundations: Elevating Security in Nix and NixOS	Dominic Mink-Hewell	09:30	09:55
Package-based and Base-based packages	Guillaume Meadour	10:00	10:25
Remediating thousands of unpatched security vulnerabilities in nixpkgs	Pierre Bourdon (deltap0)	10:30	10:55
Nix for generators - presenting a bioinformatics pipeline	Alexia Prager	11:00	11:05
Automatic test assessment with tool counting	Julien Malka	11:05	11:10
Typhoon: Nix-based continuous integration	Paul-Nicolas MacIsaac, Lucas Pannaschinski	11:10	11:15
Nix: an F package for reproducible dev environments with Nix	Bruno Rodrigues	11:15	11:20
Preparing a 20 year-long project with Nix and NixOS	Rene (renjepkoon)	11:20	11:25
Running Nix.conf on NixOS	Jo van den Driever	11:30	11:35

FOSDEM 2023 - Nix and NixOS

Brussels / 4 & 5 February 2023

FOSDEM 2023 / Schedule / Tracks / Developer rooms / Nix and NixOS

Nix and NixOS devroom

Read the Call for Papers at <https://lists.fosdem.org/pipermail/fosdem/2022q4/003483.html>.

Nix and NixOS are tools that take a unique approach to package management and system configuration. It differs with most other tools in that it is heavily inspired by functional programming. Those inspirations being: immutability, side-effectness, and correctness. It delivers on the promise of "if it works on my machine, it will work on yours". Without shipping your actual machine.

The Nix and NixOS devroom will present interesting tools, projects, features, and much more, within the Nix ecosystem. All by and for the Nix community!

Event	Speakers	Start	End
Sunday			
Welcome to the Nix and NixOS devroom	Bryan Horrel, Théophane Hubert-Hell, Julien Malka, rabin2azur, Matthew Coughran	13:10	13:19
I am excited about NixOS, I want to tell you why!	Giuseppe Abbuzzo	13:15	13:35
Principles of Nix and how to overcome them	Philippe Wenzig	13:35	13:55
Make Anyone Use Nix	Guillaume Deslorges	13:55	14:10

FOSDEM 2025 - Nix and NixOS

Brussels / 1 & 2 February 2025

FOSDEM 2025 / Schedule / Tracks / Developer rooms / Nix and NixOS

Nix and NixOS

Room: K.3.601
Calendar: iCal, xCal
Chat: Join the conversation!

Read the Call for Papers at <https://lists.fosdem.org/pipermail/fosdem/2024q4/003570.html>.

Event	Speakers	Start	End
Saturday			
Welcome to the Nix and NixOS devroom!	Paul Meyer, Bryan Honof, Thomas Bereiknyei, Martin Schwaighofer	10:30	10:40
NixOS @ Doctors Without Borders (MSF) - why we use it and how	Ian Sollars, Soheil Sarder	10:45	11:05
How reproducible is NixOS?	Julien Malka	11:10	11:30
Six months with Nix & devenv and counting	José Miguel Martínez Carrasco	11:35	11:55
Building an LTE router with a \$60 (new!) laptop and a single file	Colin Dean	12:00	12:20
Remote Execution with Buck2 and Nix	Claudio Bley	12:25	12:45
system-manager: unleashing nix on (almost) any distro	Ramses	12:50	13:10
Go into the Nix ecosystem: vulnerability scanning and experiments towards a next-gen builder	Paul Meyer	13:15	13:35
My Nix-Powered Homelab	Josh Lee	13:40	14:00



Not alone

How did I end up here?..

Or "my adventure into open source"

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